



# About This Guide

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This chapter discusses the objectives, audience, organization, and conventions of the *Dial Solutions Quick Configuration Guide*.

Cisco documentation and additional literature are available on the Documentation CD-ROM. The CD is updated and shipped monthly so it might be more current than printed documentation. To order the Documentation CD, contact your local sales representative or call Customer Service. The CD is available both as a single CD and as an annual subscription. To order the CD, contact your local sales representative or call Cisco Customer Service. You can also access Cisco technical documentation via Cisco Connection Online on the World Wide Web URL <http://www.cisco.com>.

## Document Objectives

This quick configuration guide describes the tasks you perform to solve common business problems with dial networking technologies. It presents the most common dial access tasks in a format that enables you to configure your access server quickly for the most common tasks. It does not describe every feature, but describes those tasks that you most likely need to do to configure your access server.

This guide begins with a case study followed by configuration scenarios. It also references detailed configuration options described in the Cisco IOS configuration guides and command references so that you can refer to these other documents for additional information.

## Prerequisites

This guide assumes you understand the task for which your access server was purchased.

The configuration options indicated in this quick configuration guide are the recommended methods for performing the specified tasks. Although they are typically the easiest or the most straightforward method, they are not the only methods of configuring these tasks. If you know of another configuration method not presented in this guide, you can use it.

## Audience

This guide is intended primarily for the following audiences:

- System administrators who are familiar with the fundamentals of router-based internetworking and who are responsible for installing and configuring internetworking equipment, but who might not be familiar with the specifics of Cisco products or the routing protocols supported by Cisco products.
- Customers who support dial-in users, but who have little experience with router-based networks.
- Customers who know one networking protocol (such as Novell IPX) and one LAN protocol (such as Ethernet), but have no additional networking background or experience.

## Document Organization

This guide has two parts:

- Part 1, “Dial Case Study”—This part describes how to build a network that provides a dial-up environment using one Cisco AS5300. The access server supports remote users and remote LANs connecting with modems and ISDN routers. Only IP networking and basic security are described. This case study gives you a basic foundation from which you can scale to support larger dial implementations.
  - Chapter 1, “Dial Case Study Overview”
  - Chapter 2, “Cisco AS5300 Configuration”
  - Chapter 3, “Cisco 1604 Configuration”
  - Chapter 4, “Cisco 766 Configuration”
- Part 2, “Expanded Dial-Up Configurations”—This part provides comprehensive sample configurations for mixed protocol scenarios (IP, IPX, and AppleTalk). It also describes how to route over modem lines and set up security. Refer to the *Dial Solutions Configuration Guide* for more information.
  - Chapter 5, “IP, IPX, and AppleTalk Dial-Up Environments”
  - Chapter 6, “Routing across Modem Lines”
  - Chapter 7, “Security Configuration”

## Document Conventions

This document uses the following conventions:

Convention	Description
<code>^</code> or <code>Ctrl</code>	Represents the Control key. For example, when you read <code>^D</code> or <code>Ctrl-D</code> , you should hold down the Control key while you press the D key. Keys are indicated in capital letters but are not case sensitive.
<i>string</i>	A string is defined as a nonquoted set of characters. For example, when setting an SNMP community string to public, do not use quotation marks around the string; otherwise, the string will include the quotation marks.

Examples use the following conventions:

Convention	Description
screen	Shows an example of information displayed on the screen.
<b>boldface screen</b>	Shows an example of information that you must enter.
< >	Nonprinting characters, such as passwords, appear in angled brackets.
!	Exclamation points at the beginning of a line indicate a comment line. They are also displayed by the Cisco IOS software for certain processes.
[ ]	Default responses to system prompts appear in square brackets.

The following conventions are used to attract the reader's attention:



**Caution** Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

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**Note** Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

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**Timesaver** Means the *described action saves time*. You can save time by performing the action described in the paragraph.

## Command Syntax Conventions

Command descriptions use the following conventions:

Convention	Description
<b>boldface</b>	Indicates commands and keywords that are entered literally as shown.
<i>italics</i>	Indicates arguments for which you supply values; in contexts that do not allow italics, arguments are enclosed in angle brackets (<>).
[x]	Keywords or arguments that appear within square brackets are optional.
{x   y   z}	A choice of required keywords (represented by <b>x</b> , <b>y</b> , and <b>z</b> ) appears in braces separated by vertical bars. You must select one.
[x {y   z}]	Braces and vertical bars within square brackets indicate a required choice within an optional element. You do not need to select one. If you do, you have some required choices.

## Where to Go for More Information

Refer to the following list of resources:

- Cisco Connection Online
- Technical Assistance Center
- European Technical Assistance Center
- Documentation Set

### Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: <http://www.cisco.com>
- WWW: <http://www-europe.cisco.com>
- WWW: <http://www-china.cisco.com>
- Telnet: [cco.cisco.com](http://cco.cisco.com)

- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact [cco-help@cisco.com](mailto:cco-help@cisco.com). For additional information, contact [cco-team@cisco.com](mailto:cco-team@cisco.com).

## Technical Assistance Center

If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447 or 408 526-7209, or [tac@cisco.com](mailto:tac@cisco.com). Emergency technical assistance (for network-down or severe network problems) is available 24 hours a day, 7 days a week.

For popular configuration tips and hints gathered from Cisco's Technical Assistance Center (TAC), go to the Hot Tips home page at the following URL. This URL is subject to change without notice.

<http://www.cisco.com/warp/public/701/>

If you choose to telephone the TAC for help, have the following information ready:

- Chassis serial number
- Maintenance contract number
- Software version level and hardware configuration (enter the **show version** command to display this information)
- Running software configuration. To display this information for Release 11.0 or later, enter the **show running config** command. For Release 11.0 or earlier, enter the **write terminal** command.

## European Technical Assistance Center

Cisco and its European Service Partners coordinate all customer service in Europe, including hardware and software telephone technical support, onsite service, and module exchange and repair. For more information, contact the European TAC.

European TAC numbers and e-mail address are as follows:

- Phone: 32 2 778 42 42
- Fax: 32 2 778 43 00
- E-mail: [euro-tac@cisco.com](mailto:euro-tac@cisco.com)

# Documentation Set

The Cisco IOS software documentation set is shown in the following figure:

**Figure 1 Cisco IOS Software Documentation Modules**

